BY ORDER OF THE SECRETARY OF THE AIR FORCE

AIR FORCE INSTRUCTION 11-2T-41-51-52-53, VOLUME 2



Flying Operations

T-41, T-51, T-52, AND T-53 EVALUATION CRITERIA



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This instruction implements AFPD 11-2, Aircraft Rules and Procedures, and AFI 11-202, Volume 2, Aircrew Standardization/Evaluation Program. It establishes procedures and criteria for evaluation of all aircrew personnel performing duties in the T-41, T-51, T-52, and T-53 aircraft. This instruction applies to the Air National Guard (ANG). With the exception of the associate instructor pilot program, it does not apply to the Air Force Reserve Command. Requests for waivers must be submitted through the chain of command to the appropriate Tier waiver approval authority, and filed in accordance with AFI 33-360. According to AFI 11-200, major commands (MAJCOM) will coordinate MAJCOM-level supplements through AETC/A3V and AF/A3O prior to publication. (T-1). Field units below MAJCOM level will coordinate their supplements through their parent MAJCOM OPR prior to publication. (T-1). Submit suggested improvements to this instruction on AF Form 847, Recommendation for Change of Publication, through standardization and evaluation (stan/eval) channels to the OPR. AF/A3O is approval authority for changes or revisions to this instruction. The Privacy Act of 1974 applies to certain information gathered pursuant to this instruction. Privacy Act System of Records F011 AF XO Aviation Resource Management System http://www.defenselink.mil/privacy/notices/usaf/F011AFXOA.shtml, applies. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with Air Force Manual (AFMAN) 33-363, Management of Records, and disposed of in accordance with the Air Force Records Disposition Schedule (RDS) located in the Air Force Records Information Management System (AFRIMS). (T-1). Systems of records notice F036

AETC T Flying Training Records – Nonstudent applies. Attachment 1 contains a glossary of the references and supporting information used in this publication.

SUMMARY OF CHANGES

This revision implements Tier waiver authorities IAW AFI 33-360 and contains administrative updates for the OPR change and references.

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Chapter 1

GENERAL

1.1. Conducting Evaluations. All evaluations are conducted in accordance with the provisions of AFI 11-202, Volume 2, *Aircrew Standardization/Evaluation Program*, and this instruction. (T-2).

1.2. Procedures:

- 1.2.1. Flight examiners (FE) will use the evaluation criteria contained in this instruction for conducting flight and emergency procedure evaluations (EPE). (T-2). To ensure standard and objective evaluations, FEs must become thoroughly familiar with the prescribed evaluation criteria.
- 1.2.2. Unless specified, the examinee will fly in the seat that best enables the FE to conduct a thorough evaluation. The FE normally occupies the left seat during instructor evaluations and the right seat for all other types of evaluations.
- 1.2.3. Prior to the flight, the FE will brief the examinee on the purpose of the evaluation and how it will be conducted. (T-2). The examinee accomplishes required flight planning during the evaluation and furnishes the FE a copy of necessary mission data, mission materials, and maps (as required).
- 1.2.4. The FE will thoroughly debrief all aspects of the flight. Debriefs include the examinee's overall rating, specific deviations, area grades assigned (if other than qualified), and any required additional training. (T-2). A squadron supervisor must be debriefed on all evaluations. (T-2). Additionally, a squadron supervisor must attend the debrief if the overall grade is Qualification Level 3 (Q-3). (T-2).
- 1.2.5. To initially qualify as an instructor, a pilot must successfully complete a dedicated initial instructor evaluation. (T-2). Subsequently, crewmembers designated as instructors will be evaluated on their ability to instruct during all periodic evaluations. (T-2). FEs will act as a student for the purpose of evaluating the examinee's instructional ability.

1.3. Grading Instructions:

- 1.3.1. Tolerances in performance parameters are based on conditions of smooth air and a stable aircraft. Momentary deviations from tolerances will not be considered in grading, provided the examinee applies prompt corrective action and such deviations do not jeopardize flying safety. Consider cumulative deviations when determining the overall grade.
- 1.3.2. FEs will use the grading criteria in paragraph 1.3.5 and Table 3.1 to determine individual area grades. (T-2). When individual areas are performed well above the grading criteria standards, then make an appropriate comment stating performance and/or instruction was commendable in the Examiner's Remarks in the Comments block of the AF Form 8, *Certificate of Aircrew Qualification*, or AF Form 8a, *Certificate of Aircrew Qualification* (*Multiple Aircraft*). (T-2). FE judgment must be exercised when the evaluation criterion is subjective or the specific situation is not covered.

- 1.3.3. Derive the overall flight evaluation grade (Q-1, Q-2, or Q-3) from the area grades, based on a composite for the observed events and tasks, according to AFI 11-202, Volume 2, *Aircrew Standardization and Evaluation Program*, this instruction and FE judgment. (T-2).
- 1.3.4. Critical areas require adequate accomplishment by the examinee to successfully achieve mission objectives. If the examinee receives an unqualified grade in any critical area, the overall grade for the evaluation will be unqualified (Q-3). (T-2). Critical areas are identified by "Critical" in the area title in Chapter 3. Grade critical areas as "Q" or "U."
- 1.3.5. The general evaluation criteria in **Table 1.1** apply during all phases of flight (except for specific events noted in **Table 3.1**).

Ι	A	В	С	D
T				
E	General			
M	Area	Q	Q-	${f U}$
1	Altitude	±100 feet	±200 feet	
2	Airspeed	±5 knots	±10 knots	Evands O limits
3	Handing	Maintains/rolls out ±5 °	Maintains/rolls out ±10	Exceeds Q- limits
	Heading	of desired heading	° of desired heading	

Table 1.1. General Evaluation Criteria.

- **1.4. Emergency Procedures Evaluation (EPE).** FEs will administer oral EPEs on the ground. Include a sampling of emergency procedures resolved to a logical conclusion. (T-2).
 - 1.4.1. The FE will include an evaluation of the following items on the EPE (T-2):
 - 1.4.1.1. General knowledge, including aircraft systems, operating procedures, and the National Airspace System (NAS).
 - 1.4.1.2. Emergency procedures (evaluate at least one).
 - 1.4.1.3. Alternate or divert airfields.
 - 1.4.2. Units will not permit examinees receiving an overall unqualified grade (Q-3) because of an unsatisfactory EPE to fly in any aircrew position until the examinee completes a successful reevaluation. (T-2).
 - 1.4.3. For each EPE graded —qualified with additional training required, the FE will indicate whether the additional training must be accomplished before the next flight. (T-2).
- **1.5.** Completion of AF Form 8 or AF Form 8A. Record aircrew member qualifications on the AF Form 8 or AF Form 8A, in accordance with AFI 11-202, Volume 2. (Exception: Record nonrated pilot qualifications on a temporary certificate of evaluation kept in the pilot's training folder.) (T-2).
 - 1.5.1. When an evaluation in one aircraft satisfies the evaluations requirements in another aircraft, include a comment stating so in the examiner's remarks on an AF Form 8 or AF Form 8A.
 - 1.5.2. With the exception of restrictions and exceptionally qualified designation (if used), place all comments on the reverse side of the AF Form 8 or AF Form 8A.

Chapter 2

EVALUATION REQUIREMENTS

- **2.1. General.** There are five types of evaluations: qualification (QUAL), mission (MSN), instructor (INSTR), instrument (INSTM) (ANG only), and SPOT. Evaluations include requisites and required areas. Table 2.1 indicates when a requisite is required (R) for an evaluation. (T-2). Table 2.2 prescribes required areas that must be included in the flight evaluation profile. Evaluation areas are aligned under the type of evaluation.
 - 2.1.1. **Alternative Evaluation Methods.** Alternate evaluation methods are not authorized. If the FE determines one or more of the required items cannot be adequately evaluated, the examinee must complete an additional flight to complete the evaluation. (T-2).
 - 2.1.2. **Publications Check.** The FE will check these publications during the evaluation (T-2):
 - 2.1.2.1. For T-41 evaluations: TO 1T-41D-1CL-1, *Pilot's Abbreviated Flight Crew Checklist, USAF Series T-41D Aircraft*; and the local in-flight guide (IFG).
 - 2.1.2.2. For T-51 evaluations: TO 1T-51A-1CL-1, *Pilots' Abbreviated Flight Manual Checklist, USAF, T-51A Series Aircraft,* and the local IFG.
 - 2.1.2.3. For T-52 evaluations: TO 1T-52A-1CL-1, *Pilot's Abbreviated Flight Crew Checklist, USAF Series T-52A Aircraft*, and the local IFG.
 - 2.1.2.4. For T-53 evaluations: TO 1T-53A-1CL-1, *Pilot's Abbreviated Flight Crew Checklist, USAF Series T-53 Aircraft*, and the local IFG.
 - 2.1.2.5. For pilots qualified in multiple aircraft, check each set of publications.
- **2.2. Requisites.** Table **2.1** indicates the minimum requisites for each type of evaluation. When periodic evaluations are combined, accomplish all requisites for each evaluation and document in the ground phase section of AF Form 8 or AF Form 8A. (T-2). For each required exam, units may combine questions covering multiple aircraft into a single test.

Table 2.1. Evaluation Requisites.

I	A	В	С	D	E
T					
\mathbf{E}					
M	Requisite	QUAL	MSN/INSTR	*INSTM	SPOT
1	Open book exam	R			
2	Closed book	R			
3	Boldface exam	R	R		
4	EPE	R	R		
*5	Instrument exam			R	

2.3. Pilot Evaluations. All pilot evaluations are qualification evaluations. The examinee briefs the sortie profile and flies from the left seat. Include all required (R) areas from **Table 2.2** in the flight evaluation profile. (T-2). Fly a normal departure followed by maneuvers (areas 22–24 and 26–27) in the local training area. The examinee will perform each type of landing. A QUAL

evaluation in the DA20, T-41, T-51, T-52, or T-53 satisfies the periodic QUAL evaluation requirements for the other aircraft so that only one periodic QUAL evaluation is required.

2.4. Instructor Pilot Evaluations. Following the initial MSN/INSTR evaluation, all periodic instructor pilot (IP) evaluations are combined MSN, QUAL, and INSTR evaluations to evaluate both proficiency and instructor ability. The examinee briefs the sortic profile and flies from the right seat. Include all required areas from **Table 2.2** in the flight evaluation profile. (T-2). Accomplish a normal departure followed by area maneuvers in the local training area. The examinee will perform each type of landing. The examiner will attempt at least two area maneuvers and one landing for the examinee to instruct and evaluate. A MSN evaluation in the T-41, T-51, T-52, or T-53 satisfies the periodic MSN evaluation requirements for the other aircraft so that only one periodic MSN evaluation is required.

Table 2.2. T-41, T-51, T-52, and T-53 Evaluation Requirements.

A	A	В	С
R			
E			
A	Title	QUAL	MSN/INSTR
1	Mission Planning	R	R
2	Mission Briefing	R	R
3	Ground Operations	R	R
4	Takeoff	R	R
5	Departure	R	R
6	Climb	R	R
7	Clearing	R	R
8	Level Off	R	R
9	Cruise/Navigation	R	R
10	In-Flight Checks	R	R
11	In-Flight Planning/Area Orientation	R	R
12	Communication/IFF Procedures	R	R
13	Crew Coordination	R	R
14	Risk Management/Decision-making	R	R
15	Task Management	R	R
16	Debriefing	R	R
17	Airmanship (Critical)	R	R
18	Safety (Critical)	R	R
19	Aircrew Discipline (Critical)	R	R
20	Situational Awareness	R	R
21	Steep Turns	R	R
22	Power-Off Stall Series (Note 1)	R	R
23	Power-On Stall Series (Note 2)	R	R
24	Slow Flight	R	R
25	Simulated Forced Landing	R	R
26	Aerobatics (Chandelle/Lazy Eight)	R	R
27	Unusual Attitudes	R	R

R E A Title QUAL MSN/INSTR 28 Arrival R R 29 Enroute Descent R R 30 Traffic Entry R R 31 Patterns R R 31 Patterns R R 32 Normal Landing(Note 3) R R 33 Full Flap Landing (Note 4) R R 34 No-Flap Landing (Note 5) R R 35 Touch-and-Go Procedures R R 36 Go-Around R R 37 Breakout and Reentry R R 38 Transfer of Aircraft Control R R 39 Throttle/Mixture/Propeller Procedures R R 40 Emergency Procedures R R 41 General Knowledge R R 42 Publications R R 43 Instructor Knowledge	A	A	В	C
A Title QUAL MSN/INSTR 28 Arrival R R 29 Enroute Descent R R 30 Traffic Entry R R 31 Patterns R R 31 Patterns R R 32 Normal Landing(Note 3) R R 33 Full Flap Landing (Note 4) R R 34 No-Flap Landing (Note 5) R R 35 Touch-and-Go Procedures R R 36 Go-Around R R 37 Breakout and Reentry 3 R 38 Transfer of Aircraft Control R R 39 Throttle/Mixture/Propeller Procedures R R 40 Emergency Procedures R R 40 Emergency Procedures R R 41 General Knowledge R R 42 Publications R R	R			
28 Arrival R R 29 Enroute Descent R R 30 Traffic Entry R R 31 Patterns R R 32 Normal Landing(Note 3) R R 33 Full Flap Landing (Note 4) R R 34 No-Flap Landing (Note 5) R R 35 Touch-and-Go Procedures R R 36 Go-Around R R 37 Breakout and Reentry R R 38 Transfer of Aircraft Control R R 39 Throttle/Mixture/Propeller Procedures R R 40 Emergency Procedures R R 41 General Knowledge R R 42 Publications R R 43 Instructor Knowledge R	\mathbf{E}			
29 Enroute Descent R R 30 Traffic Entry R R 31 Patterns R R 32 Normal Landing (Note 3) R R 33 Full Flap Landing (Note 4) R R 34 No-Flap Landing (Note 5) R R 35 Touch-and-Go Procedures R R 36 Go-Around R R 37 Breakout and Reentry R R 38 Transfer of Aircraft Control R R 39 Throttle/Mixture/Propeller Procedures R R 40 Emergency Procedures R R 41 General Knowledge R R 42 Publications R R 43 Instructor Knowledge R	A	Title	QUAL	MSN/INSTR
30 Traffic Entry R R 31 Patterns R R 32 Normal Landing(Note 3) R R 33 Full Flap Landing (Note 4) R R 34 No-Flap Landing (Note 5) R R 35 Touch-and-Go Procedures R R 36 Go-Around R R 37 Breakout and Reentry Transfer of Aircraft Control R R 39 Throttle/Mixture/Propeller Procedures R R 40 Emergency Procedures R R 41 General Knowledge R R 42 Publications R R 43 Instructor Knowledge R	28	Arrival	R	R
31 Patterns R R 32 Normal Landing(Note 3) R R 33 Full Flap Landing (Note 4) R R 34 No-Flap Landing (Note 5) R R 35 Touch-and-Go Procedures R R 36 Go-Around R R 37 Breakout and Reentry Stransfer of Aircraft Control R R 39 Throttle/Mixture/Propeller Procedures R R 40 Emergency Procedures R R 41 General Knowledge R R 42 Publications R R 43 Instructor Knowledge R	29	Enroute Descent	R	R
32Normal Landing(Note 3)RR33Full Flap Landing (Note 4)RR34No-Flap Landing (Note 5)RR35Touch-and-Go ProceduresRR36Go-AroundRR37Breakout and ReentryRR38Transfer of Aircraft ControlRR39Throttle/Mixture/Propeller ProceduresRR40Emergency ProceduresRR41General KnowledgeRR42PublicationsRR43Instructor KnowledgeRR	30	Traffic Entry	R	R
33Full Flap Landing (Note 4)RR34No-Flap Landing (Note 5)RR35Touch-and-Go ProceduresRR36Go-AroundRR37Breakout and ReentrySR38Transfer of Aircraft ControlRR39Throttle/Mixture/Propeller ProceduresRR40Emergency ProceduresRR41General KnowledgeRR42PublicationsRR43Instructor KnowledgeR	31	Patterns	R	R
34No-Flap Landing (Note 5)RR35Touch-and-Go ProceduresRR36Go-AroundRR37Breakout and ReentryStransfer of Aircraft ControlRR39Throttle/Mixture/Propeller ProceduresRR40Emergency ProceduresRR41General KnowledgeRR42PublicationsRR43Instructor KnowledgeR	32	Normal Landing(Note 3)	R	R
35Touch-and-Go ProceduresRR36Go-AroundRR37Breakout and ReentryStransfer of Aircraft ControlRR39Throttle/Mixture/Propeller ProceduresRR40Emergency ProceduresRR41General KnowledgeRR42PublicationsRR43Instructor KnowledgeR	33	Full Flap Landing (Note 4)	R	R
36Go-AroundRR37Breakout and Reentry38Transfer of Aircraft ControlRR39Throttle/Mixture/Propeller ProceduresRR40Emergency ProceduresRR41General KnowledgeRR42PublicationsRR43Instructor KnowledgeR	34	No-Flap Landing (Note 5)	R	R
37 Breakout and Reentry 38 Transfer of Aircraft Control R R 39 Throttle/Mixture/Propeller Procedures R R 40 Emergency Procedures R R 41 General Knowledge R R 42 Publications R R 43 Instructor Knowledge R	35	Touch-and-Go Procedures	R	R
38Transfer of Aircraft ControlRR39Throttle/Mixture/Propeller ProceduresRR40Emergency ProceduresRR41General KnowledgeRR42PublicationsRR43Instructor KnowledgeR	36		R	R
39Throttle/Mixture/Propeller ProceduresRR40Emergency ProceduresRR41General KnowledgeRR42PublicationsRR43Instructor KnowledgeR	37			
40Emergency ProceduresRR41General KnowledgeRR42PublicationsRR43Instructor KnowledgeR	38	Transfer of Aircraft Control	R	R
41General KnowledgeRR42PublicationsRR43Instructor KnowledgeR	39	Throttle/Mixture/Propeller Procedures	R	R
42PublicationsRR43Instructor KnowledgeR	40	Emergency Procedures	R	R
43 Instructor Knowledge R	41	General Knowledge	R	R
	42	Publications	R	R
44 Ability to Instruct R	43	Instructor Knowledge		R
Tomy to instruct	44	Ability to Instruct		R
45 Grading Practices R	45			R
46 Flight Test Techniques	46	Flight Test Techniques		
47 NIFA Maneuvers	47	NIFA Maneuvers		
*48 Instrument Approaches (Note 6) R R	*48	Instrument Approaches (Note 6)	R	R

Notes:

- 1. Accomplish at least two of the three power-off stalls listed in Table 3.1.
- 2. Accomplish at least two of the three power-on stalls listed in Table 3.1.
- 3. Accomplish landings at 20 degrees of flaps (T-41 or T-51) or landing (LND) flaps (T-52).
- 4. Accomplish T-41 or T-51 landings with the flaps in the full DOWN position.
- 5. Accomplish landings with flaps in the UP position.
- 6. Air National Guard only. Evaluate one precision, and one nonprecision approach.
- **2.5. Instrument Evaluations.** MAJCOMs specify pilot INSTM evaluation requirements in a supplement to this instruction. Unless specifically authorized by the MAJCOM, INSTM evaluations are not authorized.

Chapter 3

EVALUATION CRITERIA

3.1. Evaluations. To ensure standard and objective evaluations, use the grading criteria in **Table 3.1** for required proficiency standards.

Table 3.1. Evaluation Criteria.

Ι	A	В	С	D
T		Grading Criteria		
E	Crading Area		0	U
M	Grading Area	Q	Q-	
1	Area 1.	Developed plan to	Made minor errors	Made major errors
	Mission Planning.	complete all	or omissions that	or omissions that
		mission	did not detract	would have
		requirements in a	from mission	prevented a safe or
		timely manner and	effectiveness.	effective mission.
		according to all	Demonstrated	Violated the NAS.
		applicable	limited knowledge	Displayed faulty
		directives. Was	of performance	knowledge of
		aware of	capabilities or	operating data or
		alternatives	approved operating	procedures. Did
		available if flight	procedures or rules	not review or
		couldn't be	in some areas.	initial FCIF. Was
		completed as		not prepared at
		planned. Correctly		briefing time.
		planned the flight		
		based on the		
		National Airspace		
		System (NAS).		
		Read and initialed		
		all items in the		
		FCIF or read files.		
		Was prepared at		
		briefing time.		
2	Area 2.	Briefing well	Events were out of	Gave a confusing
	Mission Briefing:	organized and	sequence and hard	presentation. Did
	a. Organization.	comprehensive	to follow; some	not allow time for
		with a logical	were redundant.	preflight of
		sequence. Finished		personal equipment
		in time to allow for		and aircraft.
		preflight of		
		personal equipment		
		and aircraft		

Ι	A	В	С	D
T		Grading Criteria		
E				
M	Grading Area	Q	Q-	U
	b. Presentation.	Clearly defined mission requirements and objectives. Ensured cockpit/crew resource management (CRM) objectives clearly understood.	Did not adequately discuss CRM objectives. Dwelled on nonessential mission items.	Briefing was redundant throughout. Lost interest of flight members. Presentation created doubts or confusion.
		Solicited questions and comments.		
3	Area 3.	Established and	Made minor	Omitted major
3	Area 3. Ground Operations.	Established and adhered to station, start engine, taxi, and takeoff times to assure thorough preflight, check of personal equipment, etc. Accurately determined readiness of aircraft for flight. Performed all checks and procedures prior to takeoff in accordance with approved checklists and applicable directives.	Made minor procedural deviations that did not detract from mission effectiveness.	Omitted major checklist items. Major deviations in procedure would have prevented safe mission accomplishment. Failed to accurately determine readiness of aircraft for flight. Errors directly contributed to a late takeoff that degraded the mission or made it ineffective.

I	A	В	C	D
T E		Grading Criteria		
M	Grading Area	Q	Q-	U
4	Area 4. Takeoff.	Maintained smooth aircraft control throughout takeoff. Maintained runway alignment ±10 feet during takeoff. Rotated -0 to +10 knots of rotation speed. Retracted flaps after safely airborne and prior to exceeding aircraft limits.	Made minor procedural deviations that did not detract from the takeoff. Control was rough or erratic. Runway alignment was ±20 feet. Rotated -0 to +15 KIAS of rotation speed.	Takeoff was potentially dangerous. Exceeded aircraft or systems limitations. Raised flaps too early or too late. Failed to establish proper climb attitude. Over- controlled aircraft, resulting in excessive deviations from
5	Area 5. Departure.	Executed departure as published or directed and	Minor deviations in airspeed and navigation	intended flight- path. Failed to comply with published or directed departure
		complied with all restrictions.	occurred during completion of departure.	instructions.
6	Area 6. Climb.	Climb performed with full throttle, proper rpm and a consistent pitch attitude. Airspeed -0 to +5 KIAS. Complied with all restrictions.	Climbed with improper rpm (±100 rpm). Pitch attitude inconsistent but safety not compromised. Airspeed -5 to +10 KIAS.	Exceeded Q-criteria. Failed to make appropriate corrections. Safety compromised.

Ι	A	В	С	D
T E		Grading Criteria		
M	Grading Area	Q	Q-	U
7	Area 7. Clearing.	Recognized actual or potential conflicts and adjusted aircraft performance to safely avoid those conflicts. Effectively utilized accepted clearing techniques and employed aircraft systems to aid in clearing.	Was intermittent throughout sortie. Was slow to take actions to reduce possible conflicts.	Clearing was inadequate and actions were not taken to reduce possible conflicts.
8	Area 8. Level Off.	Level off was smooth. Promptly established proper cruise airspeed.	Level off was erratic. Was slow in establishing proper cruise airspeed.	Leveled off at the wrong altitude. Had excessive delay or failed to establish proper cruise airspeed.
9	Area 9. Cruise/Navigation.	Demonstrated satisfactory capability to navigate, using appropriate navigation procedures. Complied with clearance instructions. Was aware of position at all times. Remained within the confines of assigned airspace.	Made minor errors in procedures or use of navigation equipment. Was slow to comply with clearance instructions. Had some difficulty in establishing exact position and course.	Exceeded Q-criteria. Made major errors in procedures or use of navigation equipment. Could not establish position. Failed to recognize checkpoints or adjust for deviations in time and course. Did not remain within the confines of assigned airspace.
10	Area 10. In-Flight Checks.	Completed all checklist items correctly and at the proper point in the mission.	Same as Q except for minor deviations during checks that did not detract from mission accomplishment.	Did not perform inflight checks or monitor systems.

Ι	A	В	C	D
T E		Grading Criteria		
M	Grading Area	Q	Q-	U
11	Area 11.	Actively monitored	Made errors in fuel	Failed to monitor
	In-Flight Planning/Area	fuel throughout the	management	fuel status or
	Orientation.	mission and	procedures that did	comply with
		complied with all established fuel	not prevent mission accomplishment.	established fuel requirements. Poor
		requirements.	Was slow to adjust	fuel management
		Adhered to briefed	mission profile for	prevented mission
		joker and bingo	time or fuel	accomplishment.
		fuels. Adjusted	limitations,	Exceeded area
		mission profile to	weather, and area	boundaries.
		comply with time	limits.	
		or fuel limitations,		
		weather, and area		
		limits. Remained		
		within area		
		boundaries and		
		used assigned		
		airspace efficiently.		

I	A	В	C	D
T		Grading Criteria		
E				
M	Grading Area	Q	Q-	U
12	Area 12.	Able to understand	Occasional	Incorrect
	Communication/IFF	and prioritize	deviations from	procedures or poor
	Procedures.	multiple radio	procedures	performance
		transmissions.	required	caused confusion
		Correctly	retransmissions or	and jeopardized
		formulated timely	resetting codes.	mission
		and accurate	Was slow to	accomplishment.
		responses using	initiate (or missed)	Omitted (or
		proper	some required	missed) numerous
		terminology.	calls. Made minor	required radio
		Complied with and	errors or omissions	calls. Inaccurate or
		acknowledged all	that did not	confusing
		required	significantly	terminology
		instructions. All	detract from	significantly
		required radio calls	situational	detracted from
		made in	awareness or	situational
		accordance with	mission	awareness, or
		directives. Inter-	accomplishment.	mission
		cockpit	Transmissions	accomplishment.
		communication	were not in proper	Unclear or
		was clear and	sequence or used	confusing inter-
		concise. Used	nonstandard	cockpit
		appropriate IFF	terminology.	communication
		procedures in	Communication	significantly
		accordance with	was sometimes	impacted mission
		directives.	unclear or	accomplishment or
			confusing, but did	flight safety.
			not significantly	
			impact mission	
			accomplishment or	
			flight safety.	

I	A	В	С	D
T		Grading Criteria		
E			Γ	T ==
M	Grading Area	Q	Q-	U
13	Area 13. Crew Coordination.	Provided direction and information when necessary. Effectively coordinated with other crewmembers throughout the mission. Focused crew attention on task at hand. Solicited inputs from other crewmembers when appropriate.	Crew coordination was adequate to accomplish the mission. Deficiencies in crew communication or interaction resulted in degraded crew or mission efficiency.	Poor crew coordination seriously degraded mission accomplishment or safety of flight.
14	Area 14. Risk Management/ Decision-making.	Accurately identified all contingencies and alternatives. Gathered and cross-checked available data before deciding. Clearly stated decisions and ensured they were understood.	Made minor errors in identifying contingencies, gathering data, or communicating a decision that did not affect safe or effective mission accomplishment.	Improperly or ineffectively identified contingencies, gathered data, or communicated a decision that seriously degraded mission accomplishment or safety of flight.
15	Area 15. Task Management.	Correctly prioritized and managed multiple tasks, based on existing and new information that assured mission success.	Made minor errors in prioritization or management of tasks that did not affect safe or effective mission accomplishment.	Incorrectly prioritized or managed tasks that seriously degraded mission accomplishment or safety of flight.

Ι	A	В	C	D
T		Grading Criteria		
E M	Grading Area	Q	Q-	U
16	Area 16.	Thoroughly	Performed a	
16	Area 16. Debriefing.	Thoroughly debriefed objectives and applicable portions of the mission. Complete and accurate analysis of all events or maneuvers.	Performed a limited debriefing. Did not debrief all deviations. Was occasionally unclear in analysis of events or maneuvers.	Made major errors or omissions in debriefing. Analysis of events or maneuvers was incomplete, inaccurate, or confusing. Debriefing was below the caliber of that expected of instructors.
17	Area 17. Airmanship (Critical).	Executed assigned mission in a timely, efficient manner. Conducted the flight with a sense of understanding and	Note: Because this area is critical, Qis not applicable.	Poor decisions resulted in failure to accomplish the assigned mission. Demonstrated poor judgment that compromised
		comprehension.		safety.
18	Area 18. Safety (Critical).	Was aware of and complied with all factors required for safe aircraft operation and mission accomplishment.	Note: Because this area is critical, Q-is not applicable.	Was not aware of or did not comply with all factors required for safe operation or mission accomplishment. Operated the aircraft in a dangerous manner. Knowingly violated established procedures or flight restrictions.

I	A	В	С	D
T		Grading Criteria		
E				
M	Grading Area	Q	Q-	U
19	Area 19. Aircrew Discipline (Critical).	Demonstrated strict professional flight and crew discipline throughout all phases of the mission.	Note: Because this area is critical, Qis not applicable.	Failed to exhibit strict flight or crew discipline. Knowingly violated flight restrictions or established procedures.
20	Area 20. Situational Awareness.	Accurately analyzed flight conditions to minimize effects of adverse factors and capitalized on opportunities. Maintained fuel awareness and planned and acted in a timely manner to ensure safe mission accomplishment. Never exceeded capability to safely control the aircraft. Prioritization of flight requirements assured mission success.	Missed occasional opportunities to effectively conduct mission. Neglected consideration for other aircraft. Minor misprioritization detracted from mission effectiveness without compromising success.	Misanalysis of flight conditions and failure to prioritize compromised safety or mission accomplishment.

I	A	В	С	D
T		Grading Criteria		
E				
M	Grading Area	Q	Q-	U
21	Area 21. Steep Turns.	Aircraft control was smooth and positive. Performed 3600 of turn in both directions. Bank angle was ± 50. Altitude was ±100 feet. Rollout heading ±100. Used sufficient rudder to remain coordinated throughout the	Made minor deviations. Bank angle was ±10o. Altitude was ±200 feet. Rollout heading was ±15 degrees. Used insufficient rudder to remain coordinated throughout the maneuver	Exceeded Q-criteria. Failed to make appropriate corrections.
22	Area 22. Power-Off Stalls. a. Imminent Turning Power-Off Stall.	maneuver. Recovered properly at the artificial stall warning, with minimum loss of altitude at a safe flying airspeed and	Delayed recovery beyond the artificial stall warning. Allowed the aircraft to enter a secondary stall. Delayed	Failed to recognize approach to stall indications. Misapplied flight control and throttle inputs in a manner that aggravated the
		without entering a secondary stall. Remained coordinated throughout maneuver.	recognition and correction of uncoordinated flight.	approach to stall/stall condition and resulted in excessive altitude loss. Exceeded aircraft limits. Uncoordinated flight led to a spin.

I	A	В	С	D
T E		Grading Criteria		
M	Grading Area	Q	Q-	U
	b. Turning Power-Off Stall. c. Landing Attitude Stall.	Recovered properly at the first aerodynamic indication of a stall, with minimum loss of altitude at a safe flying airspeed and without entering a secondary stall. Remained coordinated throughout maneuver.	Delayed recovery beyond the first aerodynamic indication of a stall. Allowed the aircraft to enter a secondary stall. Delayed recognition and correction of uncoordinated flight.	Failed to recognize approach to stall indications. Misapplied flight control and throttle inputs in a manner that aggravated the approach to stall/stall condition and resulted in excessive altitude loss. Exceeded aircraft limits. Uncoordinated
23	Area 23. Power-On Stalls. (Note 1) a. Straight Ahead Power-On Stall. b. Turning Power-On Stall.	Recovered to level flight with minimum loss of altitude and at a safe flying airspeed when flight control effectiveness was lost (T-41 or T-51), or at the first aerodynamic indication of a stall (T-52). Remained coordinated throughout maneuver. Did not enter a secondary stall.	Delayed recovery beyond when flight control effectiveness was lost (T-41 or T-51), or the first aerodynamic indication of a stall (T-52). Allowed the aircraft to enter a secondary stall. Delayed recognition and correction of uncoordinated flight.	Failed to a spin Failed to recognize loss of control effectiveness (T-41 or T-51) or the first aerodynamic indication of a stall (T-52). Misapplied flight control and throttle inputs in a manner that aggravated the stalled condition and resulted in excessive altitude loss. Exceeded aircraft limits. Uncoordinated flight led to a spin.

Ι	A	В	С	D
T		Grading Criteria		
E				
M	Grading Area	Q	Q-	U
	c. Secondary Stall.	Recovered to level	Delayed recovery	Failed to recognize
		flight with	beyond first	secondary stall and
		minimum loss of	aerodynamic	apply recovery
		altitude and at a	indication of a	procedures.
		safe flying airspeed	secondary stall.	Misapplied flight
		at the first	Delayed	control and throttle
		aerodynamic	recognition and	inputs in a manner
		indication of a	correction of	that aggravated the
		secondary stall.	uncoordinated	stalled condition
		Remained	flight.	and resulted in
		coordinated		excessive altitude
		throughout		loss. Exceeded
		maneuver.		aircraft limits.
24	Area 24.	Maintained	Maintained	Maintained
	Slow Flight.	appropriate slow	appropriate slow	deviations in
		flight airspeed -0 to	flight airspeed -5 to	excess of Q-
		+5 KIAS.	+10 KIAS.	criteria
		Maintained altitude	Maintained altitude	
		± 100 feet. Used	±150 feet. Used	
		sufficient rudder to	insufficient rudder	
		remain coordinated	to remain	
		throughout the	coordinated	
		maneuver.	throughout the	
			maneuver.	

I	A	В	C	D
T E		Grading Criteria		
M	Grading Area	Q	Q-	U
25	Area 25. Simulated Forced Landing.	Complied with all flight manual and operational procedures. Maintained proper glide airspeed, -0 to +5 KIAS. Used sound judgment. Configured at the appropriate position or altitude. Flew final based on recommended procedures, airspeed, and glide path. Had smooth, positive control of aircraft. Aimpoint was according to applicable guidance and permitted safe stopping in available landing area.	Made minor procedural errors that did not detract from safe handling of the situation. Airspeed control was erratic. Configured at a position and altitude that allowed for a safe approach. Required unnecessary maneuvering due to minor errors in planning or judgment. Aimpoint was longer or shorter than desired.	Did not comply with applicable procedures. Erratic airspeed control compounded problems associated with the emergency. Judgment was unsafe. Required excessive maneuvering. Could not have landed safely. Touchdown point would not have allowed for safe stopping in available landing area. Exceeded aircraft limits.
26	Area 26. Aerobatics (Chandelle/Lazy Eight).	Maneuvers were smooth, positive, coordinated, and flown IAW all applicable directives. Attained proper entry parameters prior to beginning the maneuver and placed emphasis on use of outside references.	Entry parameters were not met and energy levels were not adequate to properly accomplish maneuver. Aircraft control during maneuvers was adequate, but not smooth and positive. Minor procedural deviations occurred.	Significantly missed entry parameters. Maneuvers were not flown IAW directives. Aircraft control was erratic, causing unsatisfactory accomplishment of maneuvers. Exceeded aircraft limits.

I	A	В	C	D
T		Grading Criteria		
E	~ .			**
M	Grading Area	Q	Q-	U
27	Area 27.	Made expeditious	Slow to analyze	Was unable to
	Unusual Attitudes.	recovery to level	attitude or erratic	determine attitude.
		flight without	in recovery to level	Used improper
		excessive altitude	flight. Correct	recovery
		loss and without	recovery	procedures.
		stalling or	procedures used.	Exceeded aircraft
		exceeding aircraft		limits. Lost
		limits.		excessive altitude
				during recovery.
28	Area 28.	Performed VFR	Performed VFR	VFR arrival was
	Arrival.	arrival IAW	arrival with minor	not performed
		procedures and	deviations to	according to
		techniques outlined	procedures and	procedures and
		in flight manual,	techniques outlined	techniques outlined
		operational	in flight manual,	in flight manual,
		procedures, and	operational	operational
		local directives.	procedures, and	procedures, and
			local directives.	local directives.
29	Area 29.	Performed enroute	Minor deviations in	Failed to comply
	En route Descent.	descent as	airspeed and	with published or
		published or	navigation	directed enroute
		directed and	occurred.	descent
		complied with all		instructions or
		restrictions and		directives.
		directives.		
30	Area 30.	Performed traffic	Minor deviations	Failed to comply
	Traffic Entry.	entry as published	occurred.	with published or
		or directed and		directed traffic
		complied with all		entry instructions
		restrictions and		or directives.
		directives.		

Ι	A	В	C	D
T E		Grading Criteria		
M	Grading Area	Q	Q-	U
31	Area 31.	Properly analyzed	Misanalysis of	Exceeded Q-
	Patterns.	pattern winds.	pattern winds	criteria.
		Maintained	resulted in loose or	
		appropriate pattern	tight downwind or	
		airspeeds -0 to +10	long or short final.	
		KIAS. Maintained	Maintained	
		pattern altitude	appropriate pattern	
		± 100 feet prior to	airspeeds -5 to +15	
		the base turn.	KIAS. Maintained	
		Complied with	pattern altitude	
		published	± 200 feet prior to	
		directives.	the base turn.	
32	Area 32.	Properly analyzed	Final turn and final	Exceeded Q-
	Normal Landing.	winds. Aircraft	airspeed was -5 to	criteria.
		properly	+15 KIAS.	Configuration was
		configured. Final	Touchdown was	improper.
		turn and final	slightly outside the	
		airspeed was -0 to	prescribed landing	
		+10 KIAS.	zone but safe.	
		Maintained proper	Ineffective braking	
		runway alignment	resulted in an	
		$(\pm 10 \text{ feet})$ in the	increased landing	
		prescribed landing	roll.	
		zone. Braking was		
		smooth and		
		effective. Pitch		
		attitude at		
		touchdown was		
		slightly higher than		
		the pitch attitude		
		used for takeoff.		

I	A	В	С	D
T E		Grading Criteria		
M	Grading Area	Q	Q-	U
33	Area 33. Full Flap Landing.	Properly analyzed winds. Maintained pattern altitude ±100 feet prior to the final turn. Aircraft properly configured. Final turn and final airspeed was -0 to+10 KIAS. Maintained proper runway alignment (±10 feet) in the prescribed landing zone. Braking was smooth and effective. Pitch attitude at touchdown was slightly higher than the pitch attitude used for takeoff.	Maintained pattern altitude ±200 feet prior to the final turn. Final turn and final airspeed was -5 to +15 KIAS. Touchdown was slightly outside the prescribed landing zone but safe. Ineffective braking resulted in an increased landing roll.	Exceeded Q-criteria. Configuration was improper.

Ι	A	В	С	D
T		Grading Criteria		
E	Cuadina Ausa		0	TT
M 34	Grading Area Area 34.	Q Properly analyzed	Q-	U Exceeded Q-
34	No-Flap Landing.	Properly analyzed winds. Maintained	Maintained pattern altitude ±200 feet	criteria.
	140-1 lap Landing.	pattern altitude	prior to the final	Configuration was
		±100 feet prior to	turn. Final turn	improper.
		the final turn.	and final airspeed	
		Aircraft properly	was -5 to +15	
		configured. Final	KIAS. Touchdown	
		turn and final	was slightly	
		airspeed was -0 to	outside the	
		+10 KIAS.	prescribed landing	
		Maintained proper	zone but safe.	
		runway alignment	Ineffective braking resulted in an	
		(±10 feet) in the prescribed landing	increased landing	
		zone. Braking was	roll.	
		smooth and	Ton.	
		effective. Pitch		
		attitude at		
		touchdown was		
		slightly higher than		
		the pitch attitude		
		used for takeoff.		
35	Area 35.	Maintained proper	Executed landing	Exceeded Q-
	Touch-and-Go	runway alignment	phase with minor	criteria.
	Procedures.	(±10 feet), and was	deviations.	Application of
		in the prescribed landing zone.	Touchdown was slightly outside the	power, cross- check of engine
		Application of	prescribed landing	instruments,
		power, cross-	zone but safe.	configuration
		check of engine	Application of	changes, and
		instruments,	power, cross-	runway alignment
		configuration	check of engine	was late during the
		changes, and	instruments,	takeoff phase.
		runway alignment	configuration	
		during takeoff	changes, and	
		phase was smooth	runway alignment	
		and timely.	during the takeoff	
			phase was slow.	

Ι	A	В	С	D
T		Grading Criteria		
E			T .	T
M	Grading Area	Q	Q-	U
36	Area 36.	Initiated and	Was slow to	Did not initiate go-
	Go-Around.	performed go-	initiate go-around	around when
		around promptly	or procedural steps.	appropriate or
		IAW operational		directed.
		procedures and		Techniques were
		directives.		unsafe or applied
				incorrect
				procedures.
37	Area 37.	Complied with all	Erratic airspeed	Did not comply
	Breakout and Reentry.	flight manual and	and altitude	with applicable
		operational	controlled to minor	procedures. Erratic
		procedures.	procedural errors.	airspeed and
		Maintained safe	Errors did not	altitude control
		airspeed and	detract from safe	compromised
		altitude.	handling of the	safety.
			situation.	
38	Area 38.	Transfer of aircraft	Transfer of aircraft	Lack of transfer of
	Transfer of Aircraft	control was	controlled to	aircraft controlled
	Control.	positive. No doubt	momentary doubts	to both pilots
		existed as to who	as to who was in	attempting to
		was in control of	control of the	control the aircraft
		the aircraft.	aircraft. Errors did	at the same time.
			not detract from	Safety was
			safety.	compromised.
39	Area 39.	Engine use in	Minor deviations	Exceeded Q-
	Throttle/Mixture/Propeller	accordance with all	from directives and	criteria. Engine
	Procedure.	directives and local	local procedures.	limitations
		procedures.	Corrections slow.	exceeded.

I	A	В	C	D
T E		Grading Criteria		
M	Grading Area	Q	Q-	U
40	Area 40. Emergency Procedures.	Correctly and immediately responded to boldface or critical action procedures and non-boldface emergency situations while maintaining aircraft control. Effectively used checklist and inflight guide as appropriate.	Response to boldface or critical action procedures was correct, but response to non- boldface procedures was slow or confused. Aircraft deviations (if in flight) existed but did not compromise safety. Used the checklist and in- flight guide, but was slow to locate	Made incorrect response for boldface or critical action procedures. Unable to analyze problems or take corrective action. Aircraft deviations (in- flight) compromised safety. Did not use checklist or inflight guide or lacked acceptable familiarity with its arrangement or content.
41	Area 41. General Knowledge. a. Aircraft General.	Demonstrated a thorough knowledge of aircraft systems, limitations, and performance characteristics.	required data. Demonstrated deficiencies either in depth of knowledge or comprehension.	Demonstrated unsatisfactory knowledge of aircraft systems, limitations, or performance characteristics.
	b. Flight Rules and Procedures.	Had a thorough knowledge of flight rules and procedures, to include the NAS.	Had deficiencies in depth of knowledge.	Had inadequate knowledge of flight rules or procedures.
	c. Local Area Procedures.	Had a thorough knowledge of local procedures.	Had limited knowledge of local procedures.	Had inadequate knowledge of local procedures.
42	Area 42. Publications.	Publications were current, contained all supplements and changes, and were properly posted.	Publications contained deficiencies that would not impact flight safety or mission accomplishment.	Publications were outdated and/or contained deficiencies that would impact flight safety or mission accomplishment.

Ι	A	В	С	D
T E		Grading Criteria		
M	Grading Area	Q	Q-	U
43	Area 43.	Demonstrated in-	Had deficiencies in	Was unfamiliar
	Instructor Knowledge.	depth knowledge	depth of	with procedures,
		of procedures,	knowledge,	requirements,
		requirements,	comprehension of	aircraft systems,
		aircraft systems,	procedures,	performance
		performance	requirements,	characteristics, or
		characteristics, and	aircraft systems,	mission. Lack of
		mission beyond	performance	knowledge
		that expected of	characteristics, or	seriously detracted
		non-instructors.	mission.	from instructor
				effectiveness.
44	Area 44.	Demonstrated	Problems in	Demonstrated
	Ability to Instruct.	excellent instructor	communication or	inadequate ability
		ability. Clearly	analysis degraded	to instruct or
		defined all mission	effectiveness of	evaluate. Unable
		objectives and	instruction or	to teach, or assess
		requirements and	evaluation.	techniques,
		any required		procedures,
		additional training		systems use, or
		or corrective		tactics. Was not
		action. Instruction		aware of aircraft or
		or evaluation was		mission situation at
		accurate, effective,		all times.
		and timely. Was		
		completely aware		
		of aircraft or		
		mission situation at		
		all times.		
45	Area 45.	Completed	Made minor errors	Did not complete
	Grading Practices.	appropriate	or omissions in	required forms or
		training or	training or	records. Comments
		evaluation records	evaluation records.	were invalid,
		accurately.	Comments were	unclear, or did not
		Adequately	incomplete or	accurately
		assessed and	slightly unclear.	document
		recorded		performance.
		performance.		
		Comments were		
		clear and pertinent.		

Ι	A	В	С	D
T E		Grading Criteria		
M	Grading Area	Q	Q-	U
46	Area 46.	All maneuvers	Some or all	All maneuvers
	Flight Test Techniques.	performed within	maneuvers	performed outside
	a. Performance	the data band for	performed outside	of +/- one data
	maneuvers.	airspeed and/or	of data band for	band with no
		altitude planned on	airspeed and/or	attempt to correct
		test card. Minor	altitude, but within	deviations. Data
		deviations	+/- one data band	band can be
		corrected with	unless changed for	changed due to
		timeliness. Test	adverse flight	adverse flying
		point data taken	conditions.	conditions. Many
		within data	Several (more than	(more than 5) test
		tolerances depicted	3) test points taken	points taken
		on test card. The	outside of planned	outside of planned
		pilot appropriately	data tolerances	data tolerances
		commented on any	depicted on test	depicted on test
		deviations from	cards due to lack of	card due to lack of
		planned tolerances	precision or	precision flight or
		due to adverse	attention to	attention to
		flight conditions.	required data	required data
		Pilot comments on	parameters. Pilot	parameters. Event
		data quality and	fails to comment	limits on test card
		mission suitability	on quality and	or aircraft limits
		were made	mission suitability	exceeded.
		consistently	of test data.	
		throughout		
		maneuvers.		

I	A	В	С	D
T		Grading Criteria		
E				T
M	Grading Area	Q	Q-	U
	b. Flying Qualities	All maneuvers	Some maneuvers	Most maneuvers
	Maneuvers.	performed within	performed outside	performed outside
		the data band for	of data band for	of data band with
		airspeed and/or	airspeed and/or	no attempt to
		altitude planned on	altitude, unless	correct deviations.
		test card. Minor	changed for	Data band can be
		deviations	adverse flight	changed due to
		corrected with	conditions. Trim	adverse flying
		timeliness. Trim	shots taken within	conditions. Special
		shots taken within	±3 knots of test	data instruments
		±2 knots of test	trim speed and	not used. Many
		trim speed and ± 50	± 100 feet of test	(more than 5) test
		feet of test altitude.	altitude. Special	points taken
		Test point data	instruments	outside of planned
		taken within data	utilized	data tolerances
		tolerances depicted	consistently.	depicted on test
		on test card.	Several (more than	card due to lack of
		Special data	3) test points taken	precision flight or
		instruments	outside of planned	attention to
		utilized accurately	data tolerances	required data
		and precisely. The	depicted on test	parameters. Event
		pilot appropriately	cards due to lack of	limits on test card
		commented on any	precision or	or aircraft limits
		deviations from	attention to	exceeded.
		planned tolerances	required data	
		due to adverse	parameters. Pilot	
		flight conditions.	fails to comment	
		Pilot comments on	on quality and	
		data quality and	mission suitability	
		mission suitability	of test data.	
		were made		
		consistently		
		throughout		
		maneuvers.		

Ι	A	В	С	D
T E		Grading Criteria		
M	Grading Area	Q	Q-	U
47	Area 47. NIFA Maneuvers.	Performed NIFA maneuvers in accordance with procedures outlined in the NIFA rules for intercollegiate safety and flight evaluation conferences (SAFECON).	Performed NIFA maneuvers with minor deviations to procedures outlined in the NIFA rules for intercollegiate SAFECONs.	Did not perform NIFA maneuvers in accordance with procedures outlined in the NIFA rules for intercollegiate SAFECONs.
48	Area 48. Instrument Approaches. (Note 2) a. Precision Approach.	Executed approach as published IAW the flight manual. Made smooth and timely corrections to azimuth and glide slope to remain within one dot (ILS), or maintained glide path with only minor deviations and heading within 5 degrees of controller instructions (PAR). Airspeed was -0 to +10 KIAS. Complied with decision height. Position would have permitted a safe landing.	Minor deviations did not detract from the approach. Slow to make corrections or initiate procedures. Glide slope was within one dot low or two dots high and azimuth was within two dots (ILS), or glide path never exceeded well above or below glide path and heading was within 10 degrees of controller instruction (PAR). Airspeed was -5 to +15 KIAS and glide slope was within one dot low or two dots high. Azimuth was within two dots. Position at decision height would have permitted a safe landing.	Exceeded Q-limits. Performed procedures with major deviations. Made erratic corrections. Did not comply with decision height or position at decision height would not have permitted a safe landing.

I	A	В	C	D
T		Grading Criteria		
\mathbf{E}				T
M	Grading Area	Q	Q-	U
	b. Nonprecision	Adhered to all	Executed approach	Exceeded Q-
	Approach.	published or	with minor	limits. Did not
		directed procedures	deviations.	comply with
		and restrictions.	Arrived at MDA	procedures,
		Made smooth and	(+150 to -0 feet) at	restrictions, and
		timely response to	or before the MAP,	controller
		controller	but past the visual	instructions (ASR).
		instructions (ASR).	descent point.	Maintained steady-
		Used appropriate	Maintained within	state flight below
		descent rate to	two dots deflection	the MDA. Could
		arrive at minimum	(LOC), course	not land safely
		descent altitude	within 10 degrees	from the approach.
		(MDA) (+100 to -0)	(VOR), or heading	
		feet) at or before	within 10 degrees	
		the visual descent	of controller	
		point. Maintained	instructions (ASR).	
		less than one dot	Airspeed was -5 to	
		deflection (LOC),	+15 KIAS.	
		course within 5	Position at the	
		degrees (VOR), or	MAP would have	
		heading within 5	permitted a safe	
		degrees of	landing.	
		controller		
		instructions (ASR).		
		Airspeed was -0 to		
		+10 KIAS.		
		Position at the		
		missed approach		
		point (MAP) would		
		have permitted a		
		safe landing.		

Notes:

- 1. Loss of control effectiveness is indicated by an uncontrolled nose drop, roll, or yaw. In the T-52, the first aerodynamic indication of a stall includes aircraft buffet or loss of control effectiveness, whichever occurs first.
- 2. Air National Guard only.

Attachment 1

GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

References

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TO 1T-52A-1CL-1, Pilot's Abbreviated Flight Crew Checklist, USAF Series T-52A Aircraft, 9 December 2009

TO 1T-53A-1CL-1, *Pilot's Abbreviated Flight Crew Checklist, USAF Series T-53 Aircraft*, 18 December 2008

Forms Adopted

AF Form 8, Certificate of Aircrew Qualification

AF Form 8A, Certificate of Aircrew Qualification (Multiple Aircraft)

AF Form 847, Recommendation for Change of Publication

Abbreviations and Acronyms

AGL—above ground level

CRM—cockpit/crew resource management

EPE—emergency procedures evaluation

FCIF—flight crew information file

FE—flight examiner

IAW—in accordance with

IFF—identification, friend or foe

IFG—in-flight guide

INSTR—instructor

IP—instructor pilot

KIAS—knots indicated airspeed

knots—nautical miles per hour

MAJCOM—major command

MSN—mission

NAS—national airspace system

NIFA—national intercollegiate flying association

nm-nautical mile

OPR—office of primary responsibility

Q—qualified

Q-1—Qualification Level 1

Q-2—Qualification Level 2

Q-3—Qualification Level 3

QUAL—qualification

R—required area

rpm—revolutions per minute

SAFECON—safety and flight evaluation conferences

stan/eval—standardization and evaluation

U—unqualified

VFR—visual flight rules

Terms

Bingo fuel—A pre-briefed fuel state that allows the aircraft to return to the base of intended landing or an alternate using normal recovery procedures.

Joker fuel—A prebriefed fuel needed to terminate an event and transition the next mission phase.